

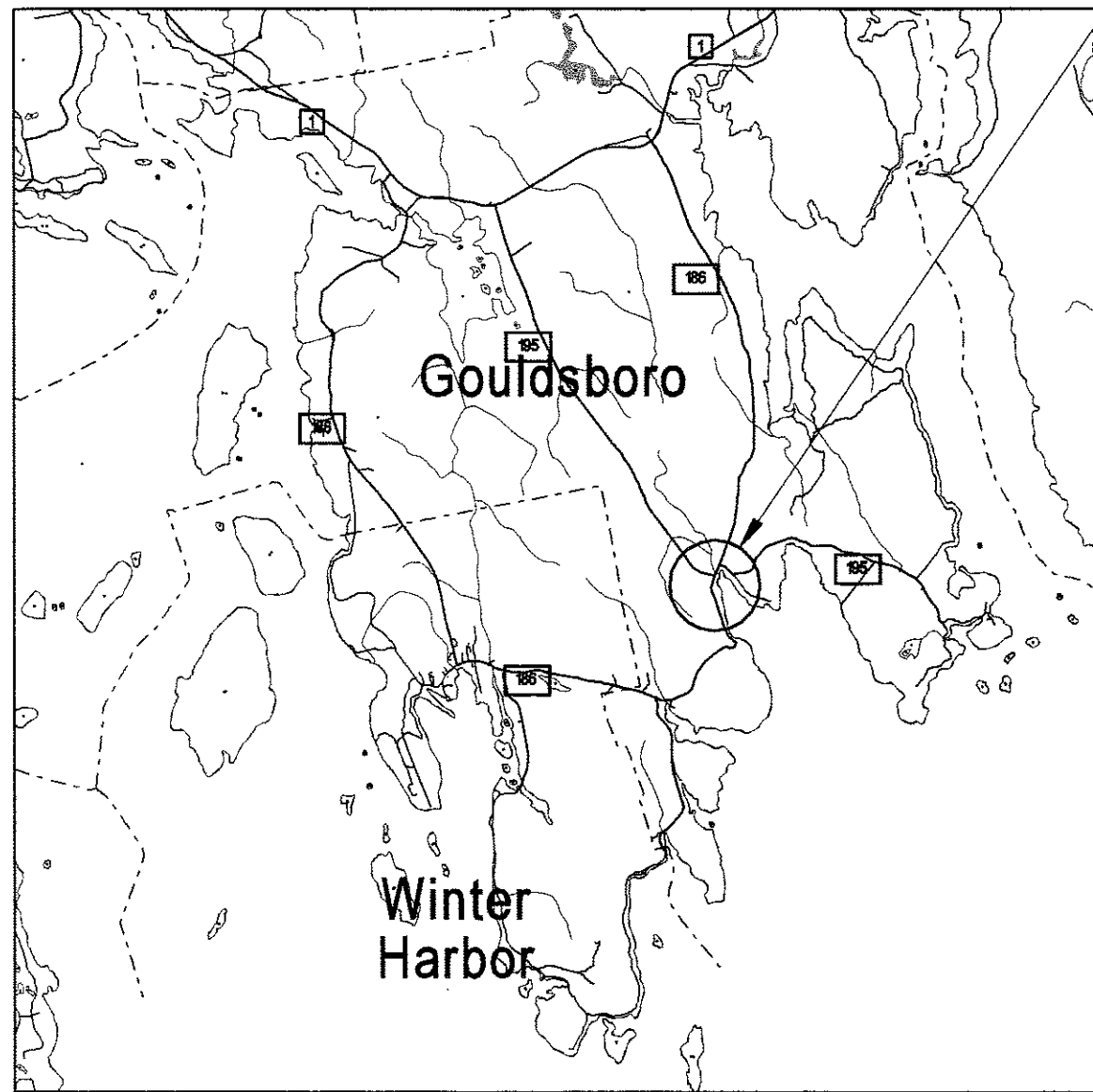
STATE OF MAINE
DEPARTMENT OF TRANSPORTATION



GOULDSBORO
HANCOCK COUNTY

ROUTE 186

PROJECT NO. SB-2008-ME-8
HIGHWAY IMPROVEMENT PROJECT
(SCHOODIC NATIONAL SCENIC BYWAY GATEWAY FACILITY)



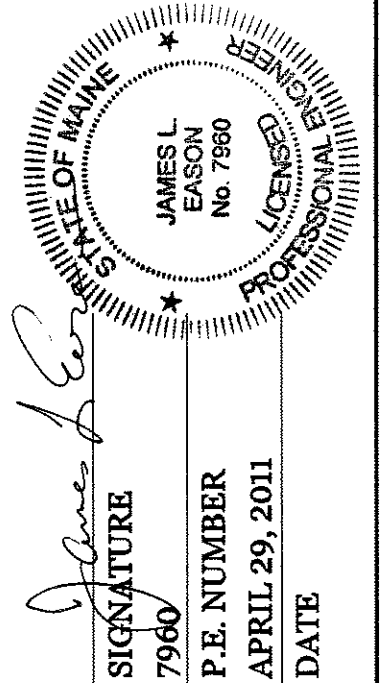
LOCATION MAP



INDEX OF SHEETS

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Title Sheet	1
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Estimated Quantities & Earthwork Summary	3
Construction Notes & Drainage Summary	4
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STATE OF MAINE DEPARTMENT OF TRANSPORTATION	APPROVED	DATE
COMMISSIONER:	<i>[Signature]</i>	4/27/11
CHIEF ENGINEER:	<i>[Signature]</i>	4/29/11



PIN: 17639.00

SB-2008-ME-8

PROJECT INFORMATION
PROGRAM
PROJECT MANAGER
DESIGNER
CONSULTANT
PROJECT RESIDENT
CONTRACTOR
PROJECT COMPLETION DATE

GOULDSBORO SCHOODIC BYWAY
TITLE SHEET

SHEET NUMBER
1
1 OF 7

PROGRAM AREA: HIGHWAY PROGRAM

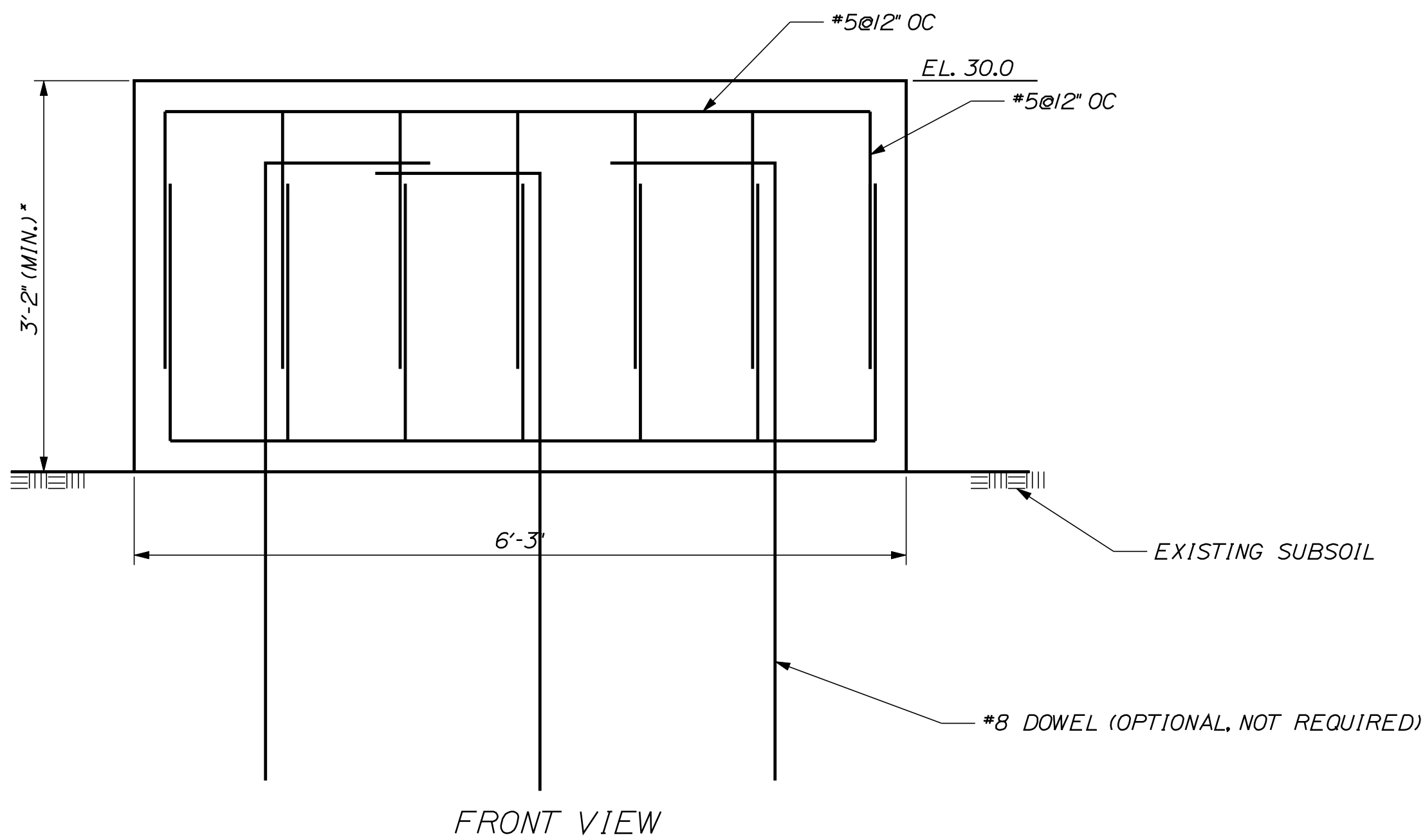
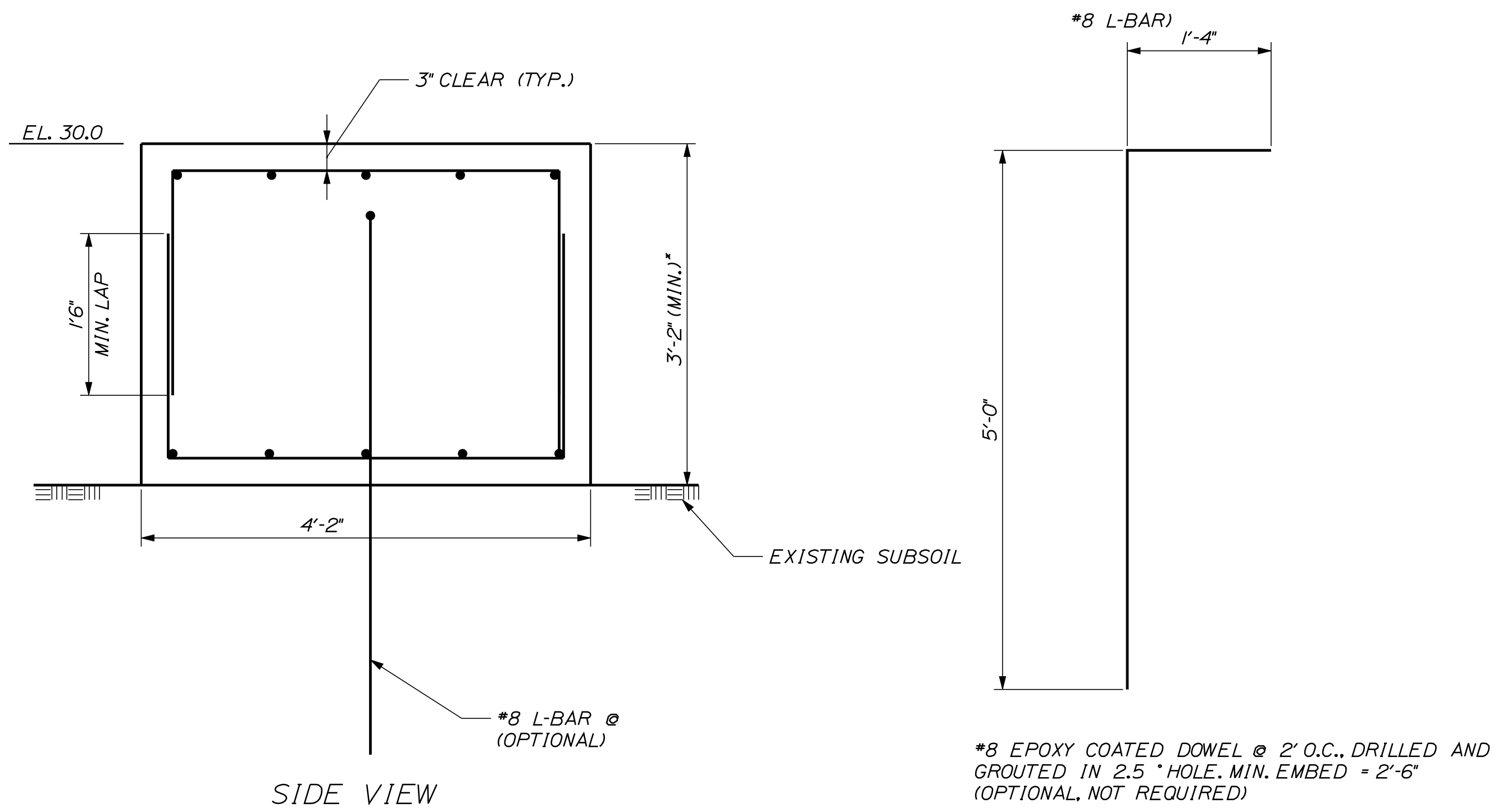
SCOPE OF WORK: SCENIC BYWAY FACILITY PARKING LOT, SIDEWALKS,
and AMENITIES

TRAFFIC DATA

Current (2011) AADT 1570
Design Speed (mph) 30
Functional Class: MAJOR COLLECTOR

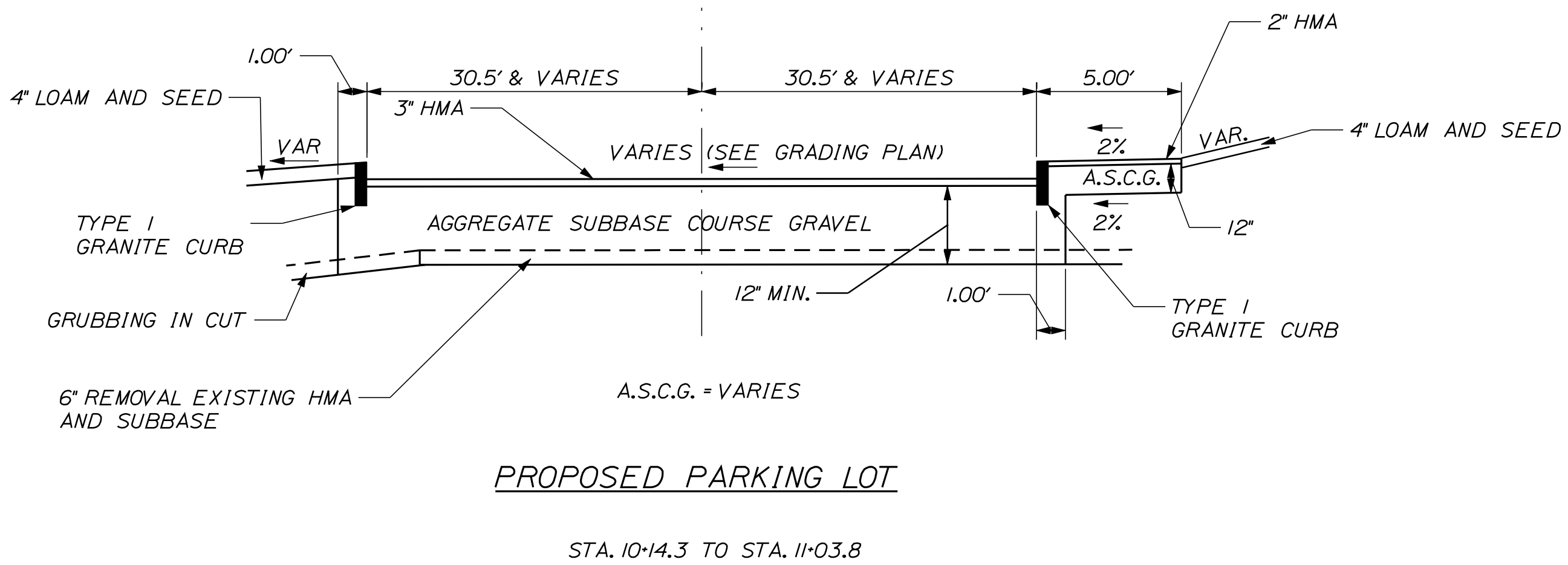
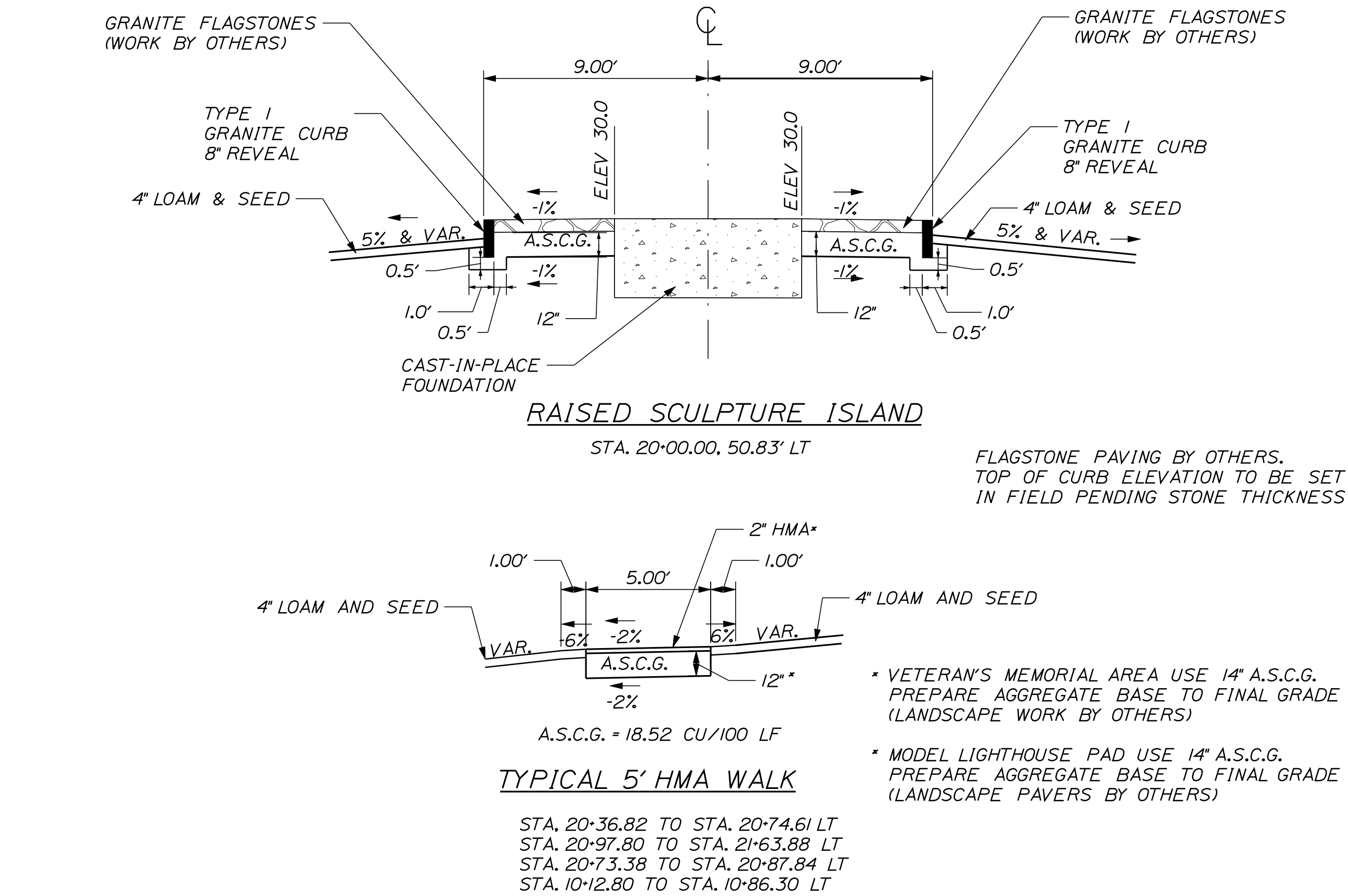
PLAN LEGEND

Town, County, State	Centerline-Existing
Property Lines	Centerline-Proposed
R/W Lines-Existing	Travelway-Existing
R/W Lines-Proposed	Travelway-Proposed
Culvert-Existing	Railroad
Culvert Proposed	Catch Basins
Curbing	Manholes
Type 1	Proposed Underdrain
Type 3	Proposed Ditch
Type 5	Existing Ditch
Outline of Bodies of Water	Utility Poles
Ledge	Fire Hydrants
Buildings	Existing Water Line
Trees	Existing San. Sewer
Tree Line	Existing San. Sewer Manhole
Clearing Limit Line	Guardrail-Existing
	Guardrail-Proposed
	Guardrail-Cable, Other



CAST-IN-PLACE SCULPTURE FOUNDATION

- NOTES:
1. IF NO BEDROCK ENCOUNTERED, RECOMMENDED SOIL PRESSURE OF 3000 PSF.
 2. CONCRETE SHALL BE CLASS 'A'.
 3. PLACE CONCRETE IN DRY CONDITION.
 4. ANY DEWATERING NECESSARY TO PLACE CONCRETE SHALL BE CONSIDERED INCIDENTAL TO ITEM 502.III CONCRETE FOOTING.
 - *5. FIELD VERIFY DEPTH OF BEDROCK. IF GREATER THAN 3'-2" BELOW TOP OF FOUNDATION, EXTEND CONCRETE TO BEDROCK AND LENGTHEN REINFORCING ACCORDINGLY.
 6. PAYMENT FOR CAST-IN-PLACE SCULPTURE FOUNDATION WILL BE MADE UNDER PAY ITEM 502.III. REINFORCING STEEL SUPPLIED, DELIVERED AND PLACED WILL BE INCIDENTAL TO PAY ITEM 502.III.



REMOVE EXISTING PAVEMENT AND GRASSED AREAS TO TYPICAL DEPTH OF 6" AND REGRADE. PLACE VARIABLE DEPTH AGGREGATE SUBBASE COURSE GRAVEL TO VARIABLE DEPTH.

- NOTE:
1. THE PAVEMENT, BASE, AND SUBBASE DEPTHS AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.
 2. EXCEPT WHERE NOTED, THE GRAVEL QUANTITY CALCULATION IS BASED ON 4" LOAM. THE ACTUAL DEPTH MAY VARY. SEE THE GENERAL NOTES.
 3. THE STATIONING SHOWN UNDER EACH TYPICAL IS APPROXIMATE.
 4. A.S.C.G. = AGGREGATE SUBBASE COURSE - GRAVEL
H.M.A. = HOT MIX ASPHALT

NOT TO SCALE

GOULDSBORO SCHOODIC BYWAY				STATE OF MAINE DEPARTMENT OF TRANSPORTATION				
TYPICAL SECTIONS & DETAILS				PROJ. MANAGER		A. MACDONALD	BY	DATE
				DESIGN-DETAILED		JLE		4-11
				CHECKED-REVIEWED		ALG		4-11
				DESIGN2-DETAILED2				
				DESIGN3-DETAILED3				7960
				REVISIONS 1				P.E. NUMBER
				REVISIONS 2				APRIL 29, 2011
				REVISIONS 3				DATE
				REVISIONS 4				
				FIELD CHANGES				
SHEET NUMBER				PIN 17639.00 HIGHWAY PLANS				
2								
OF 7								

ESTIMATED QUANTITIES			
ITEM NO.	DESCRIPTION	QUANTITY	UNIT
203.200I	COMMON EXCAVATION - PLAN QUANTITY	300	CY
203.24	COMMON BORROW	350	CY
203.25	GRANULAR BORROW	50	CY
206.06I	STRUCTURAL EARTH EXC-DRAIN & MINOR STRUCT-BELOW GRADE	25	CY
304.10	AGGREGATE SUBBASE COURSE - GRAVEL	320	CY
403.209	HOT MIX ASPHALT, 9.5mm (SW, DRIVES, INCIDENTALS)	91	TON
502.III	STR CONCRETE FOOTING	3	CY
603.16	15" CULVERT PIPE OPTION I	120	LF
609.11	VERTICAL CURB TYPE I	58	LF
609.12	VERTICAL CURB TYPE I - CIRCULAR	57	LF
609.238	TERMINAL CURB TYPE I- 8 FT	4	EA
610.08	PLAIN RIPRAP	10	CY
613.319	EROSION CONTROL BLANKET	30	SY
615.070I	LOAM - PLAN QUANTITY	120	CY
618.130I	SEEDING METHOD NUMBER I - PLAN QUANTITY	10	UNIT
619.120I	MULCH - PLAN QUANTITY	10	UNIT
620.58	EROSION CONTROL GEOTEXTILE	20	SY
627.733	4" WHITE OR YELLOW PAINT PYMNT MARKING LINE	250	LF
627.75	WHITE OR YELLOW PAVEMENT AND CURB MARKING	16	SF
629.05	HAND LABOR	20	HR
631.12	ALL PURPOSE EXCAVATOR (INCLUDING OPERATOR)	5	HR
631.172	TRUCK - LARGE (INCLUDING OPERATOR)	5	HR
631.22	FRONT END LOADER (INCLUDING OPERATOR)	5	HR
645.271	REG WARN CONF RTE SIGNS TYPE I	2	SF
652.34	CONE	20	EA
652.35	CONSTRUCTION SIGNS	200	SF
652.36I	MAINTENANCE OF TRAFFIC CONTROL DEVICES	1	LS
652.38	FLAGGER	40	HR
656.75	TEMP SOIL EROSION AND WATER POLLUTION CONTROL PLAN	1	LS
659.10	MOBILIZATION	1	LS
*	UNDETERMINED LOCATION		

COMMON EXCAVATION FOR ESTIMATE

PAVEMENT REMOVAL

GRUBBING IN FILL

TOTAL COMMON EXCAVATION

PAVEMENT REMOVAL	35 CY	
GRUBBING IN FILL	<u>265 CY</u>	
TOTAL COMMON EXCAVATION		<u>300 CY</u>

COMMON FILL
GRUBBING IN FILL
TOTAL FILL

COMMON FILL	85 CY	
GRUBBING IN FILL	265 CY	
TOTAL FILL		350 CY

ROCK EXCAVATION
TOTAL ROCK EXCAVATION

ROCK EXCAVATION	0 CY	
TOTAL ROCK EXCAVATION	<u>0 CY</u>	<u>0 CY</u>

(1) TOTAL COMMON EXCAVATION DEDUCTIONS:

GRUBBING IN FILL	265 CY
PAVEMENT SALVAGE REMOVAL	35 CY

GRUBBING IN FILL	265 CY
PAVEMENT SALVAGE REMOVAL	35 CY

(2) TOTAL DEDUCTIONS	300 CY
TOTAL AVAILABLE NON-ROCK EXCAVATION (1) MINUS (2)	0 CY

(3) TOTAL FILL

(3) TOTAL FILL			<u>350 CY</u>
TOTAL AVAILABLE NON-ROCK EXCAV	0	X 0.85 =	0 CY

TOTAL AVAILABLE NON-ROCK EXCAV. 0 x 0.85 = 0 CY

TOTAL AVAILABLE ROCK EXCAV. 0 X 1.33 = 0 CY

(4) TOTAL AVAILABLE EXCAVATION 0 CY

BORROW NEEDED (3) MINUS (4) 35

3 OF 7	SHEET NUMBER		GOULDSBORO SCHOODIC BYWAY		PROJ. MANAGER A. MACDONALD	BY	DATE
					DESIGN-DETAILED	ALG	4-11
					CHECKED-REVIEWED	ALG	4-11
					DESIGN2-DETAILED2	JLE	
					DESIGN3-DETAILED3		
					REVISIONS 1		
					REVISIONS 2		
					REVISIONS 3		
					REVISIONS 4		
					FIELD CHANGES		
ESTIMATED QUANTITIES AND EARTHWORK SUMMARY							
STATE OF MAINE DEPARTMENT OF TRANSPORTATION SB-2008-ME-8							
PIN 17639.00							
HIGHWAY PLANS							

Date: \$date\$

Username: \$user\$

Division: \$wkgroup\$

Filename: \$file\$

GENERAL NOTES

1. THE UTILITIES INVOLVED IN THIS CONTRACT ARE AS FOLLOWS:

FAIRPOINT COMMUNICATIONS
TIME WARNER CABLE
BANGOR HYDRO-ELECTRIC

2. ALL UTILITY FACILITIES SHALL BE ADJUSTED BY THE RESPECTIVE UTILITIES UNLESS OTHERWISE NOTED.

3. THE CONTRACTOR SHALL COORDINATE WORK WITH THE TOWN OF GOULDSBORO AND THE RESIDENT TO ASSURE INSTALLATION OF PROPOSED UNDERGROUND UTILITIES.

4. ALL CLEARING SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT AND NO SEPARATE PAYMENT WILL BE MADE. THE ACTUAL LINES FOR CLEARING SHALL BE ESTABLISHED IN THE FIELD BY THE CONTRACTOR AS INDICATED ON THE PLANS AND APPROVED BY THE RESIDENT.

5. GRUBBING IN FILL AREAS ARE APPROXIMATE AND HAVE BEEN USED FOR ESTIMATING PURPOSES ONLY. ACTUAL GRUBBING LIMITS MAY VARY BASED ON FIELD CONDITIONS AS DIRECTED BY THE RESIDENT. ESTIMATED GRUBBING DEPTHS ARE 9 INCHES IN FIELD AREAS.

6. ALL INSLOPE AND DITCHES IN CUT AREAS SHALL BE GRADED AS SHOWN ON THE TYPICALS OR FLATTER, OR AS DIRECTED BY THE RESIDENT.

7. THE CONTRACTOR SHALL PLAN AND CONDUCT THEIR WORK ACCORDINGLY SO THAT UPON FINAL COMPLETION OF THE PROJECT THERE IS NO DROP-OFF FROM THE EDGE OF SHOULDER PAVEMENT. ALL REMAINING OR DISTURBED MATERIAL ON SLOPES OR IN DITCHES ON THE PROJECT SHALL BE CAPABLE OF ATTAINING A GROWTH OF GRASS THAT IS ACCEPTABLE ACCORDING TO STANDARD SPECIFICATION 618.10. NO SEPARATE PAYMENT WILL BE MADE FOR THIS WORK.

8. DRIVEWAY FILL SIDE SLOPES SHALL BE THE 4:1 UNLESS OTHERWISE NOTED ON THE PLANS.

9. ALL WASTE MATERIAL NOT USED ON THE PROJECT SHALL BE DISPOSED OF OFF THE PROJECT IN WASTE AREAS APPROVED BY THE RESIDENT.

10. REQUIRED DITCH PROTECTION SHOWN ON THE PLANS OR IN THE CONSTRUCTION NOTES IS FOR ESTIMATING PURPOSES ONLY. THE ACTUAL TYPE AND LOCATION OF DITCH PROTECTION MAY BE ALTERED BY THE RESIDENT.

11. IF FOUNDATION MATERIAL IS REQUIRED UNDER CULVERTS, IT SHALL MEET THE REQUIREMENTS FOR GRANULAR BORROW - UNDERWATER BACKFILL AND WILL PAID FOR AS GRANULAR BORROW.

12. GRANULAR BORROW USED TO BACKFILL MUCK EXCAVATION OR IN LOW WET AREAS TO 1' ABOVE WATER LEVEL OR OLD GROUND SHALL MEET REQUIREMENTS FOR GRANULAR BORROW UNDERWATER BACKFILL.

13. PAVED ENTRANCES AND PARKING LOT SHALL BE CONSTRUCTED WITH:

3" HOT MIX ASPHALT AND 12" AGGREGATE SUBBASE COURSE GRAVEL.

14. ALL PAVED WALKS TO BE CONSTRUCTED WITH:

12" AGGREGATE SUBBASE COURSE-GRAVEL AND 2" HOT MIX ASPHALT UNLESS OTHERWISE NOTED IN THE PLANS OR DIRECTED BY THE RESIDENT.

15. THE FOLLOWING SHALL BE INCIDENTAL TO THE 603 ITEM(S):

- o ALL DITCHING AT PIPE ENDS
- o GRANULAR BORROW UNDER THE PIPE SHALL MEET THE REQUIREMENTS FOR UNDERWATER BACKFILL
- o FLOW LINES MAY BE CHANGED TO MATCH FIELD CONDITIONS

16. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.

17. INLETS AND OUTLETS OF ALL CULVERTS SHALL BE RIPRAPPED UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT.

18. THE CULVERT SIZES SHOWN ON THE PLANS AND CROSS SECTIONS ARE FOR SMOOTHLINED PIPES. FOR COMPARABLE CORRUGATED SIZES SEE THE DRAINAGE TABULATION.

19. LOAM HAS BEEN ESTIMATED FOR DISTURBED LAWN AREAS. ACTUAL PLACEMENT OF THE LOAM SHALL BE AS NOTED ON THE PLANS OR DESIGNATED BY THE RESIDENT.

20. UNLESS OTHERWISE NOTED SEEDING METHOD NO. 1 SHALL BE UTILIZED ON ALL AREAS.

21. LOAM SHALL BE PLACED TO A NOMINAL DEPTH OF 4 INCHES UNLESS OTHERWISE NOTED OR DIRECTED.

22. ANY DAMAGE TO THE SLOPES CAUSED BY THE CONTRACTOR'S EQUIPMENT, PERSONNEL, OR OPERATION SHALL BE REPAIRED TO THE SATISFACTION OF THE RESIDENT. ALL WORK, EQUIPMENT, AND MATERIALS REQUIRED TO MAKE REPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE.

23. AREAS REQUIRING FILL ON THE PROJECT WILL COME FROM SUITABLE EXCAVATION FROM EXCAVATION AREAS.

24. ESTIMATED QUANTITIES FOR REQUIRED STRUCTURAL EARTH EXCAVATION, DRAINAGE AND MINOR STRUCTURES ARE INFORMATIONAL ONLY AND REPRESENT THE APPROXIMATE MINIMUM QUANTITY REQUIRED TO INSTALL DRAINAGE STRUCTURES. ADDITIONAL EXCAVATION FOR THE CONTRACTOR'S CONVENIENCE OR TO COMPLY WITH BACKSLOPING REQUIREMENTS WILL NOT BE PAID FOR DIRECTLY BUT WILL BE CONSIDERED INCIDENTAL TO THE RELATED DRAINAGE ITEMS.

25. NO SEPARATE PAYMENT FOR SUPERINTENDENT OR FOREMAN WILL BE MADE FOR THE SUPERVISION OF EQUIPMENT BEING PAID FOR UNDER THE EQUIPMENT RENTAL ITEMS.

26. "UNDETERMINED LOCATIONS" SHALL BE DETERMINED BY THE RESIDENT.

27. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE MAINE DEPARTMENT OF TRANSPORTATION'S BEST MANAGEMENT PRACTICES FOR EROSION CONTROL & SEDIMENT CONTROL, FEBRUARY, 2008.

28. SURVEY INFORMATION BASED ON SKETCH OF EXISTING CONDITIONS PLAN FOR "RHONDA K. SAUL TO INHABITANTS OF TOWN OF GOULDSBORO" BY SHYKA, SHEPPARD, & GARSTER DATED FEBRUARY 25, 2010 PROVIDED FOR USE BY MAINE DEPARTMENT OF TRANSPORTATION.

29. REMOVAL OF EXISTING WOOD OVER CONCRETE STEPS, HANDICAP RAMP, FOUNDATION SHRUBS, MODEL LIGHTHOUSE, TIMBERS AND PLANTS AROUND TOWN SIGN SHALL BE DONE BY TOWN OF GOULDSBORO PRIOR TO CONSTRUCTION.

30. ALL LOCAL PERMITS HAVE BEEN OBTAINED BY THE TOWN OF GOULDSBORO.

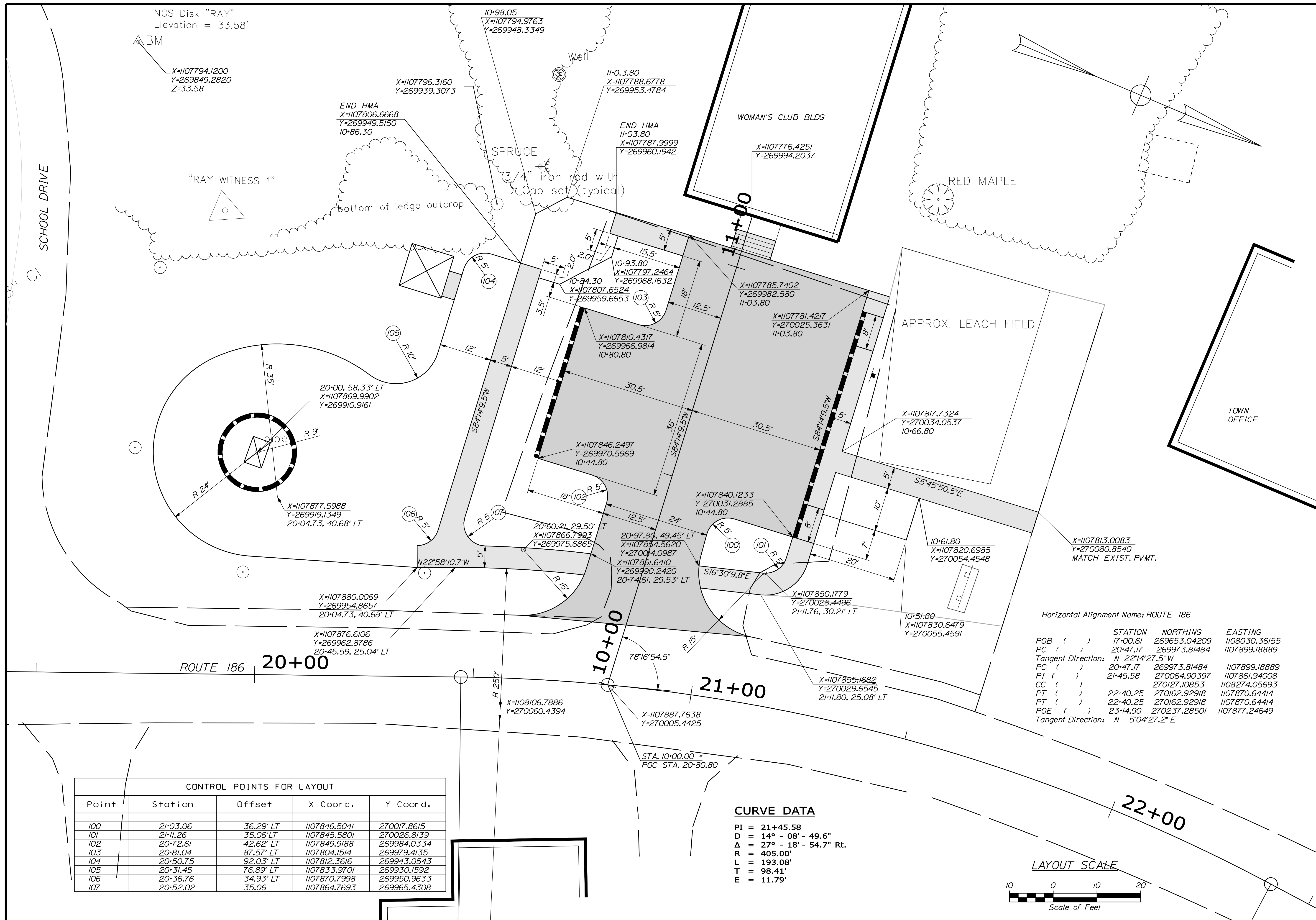
31. THE TOWN OFFICE AND WOMAN'S CLUB BUILDING WILL BE AVAILABLE FOR PROJECT MEETINGS.

STATION	CULVERT PIPE												CATCH BASIN						PIPE ARCH			MH	UNDERDRAIN								ELBOWS, TEES, WYES AND INLET GRATE UNITS				REMARKS
	RCP			CMP		OPTION I		OPTION III				TYPE B											TYPE C												
								SMOOTHLINE		CORRUGATED													TYPE B		OUTLET		SMOOTHLINE		CORRUGATED						
	SIZE	LENGTH	CLASS	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	SIZE	LENGTH	A1-C	B1-C		E	F	SPAN	RISE	LENGTH	GAGE OR WALL THICKNESS	TYPE B LENGTH		OUTLET LENGTH	SMOOTHLINE SIZE	SMOOTHLINE LENGTH	CORRUGATED SIZE	CORRUGATED LENGTH	DESCRIPTIONS							
STA. 10+36.3, 77'± RT TO STA. 10+96.3, 76'± RT						15"	60'																												
STA. 20+62.8, 19.5'± LT TO STA. 21+20.0, 21.0'± LT						15"	60'																												

STATE OF MAINE
DEPARTMENT OF TRANSPORTATION
SB-2008-ME-8
PIN 17639.00
HIGHWAY PLANS

GOULDSBORO
SCHOODIC BYWAY
CONSTRUCTION NOTES &
DRAINAGE SUMMARY

SHEET NUMBER
4
OF 7

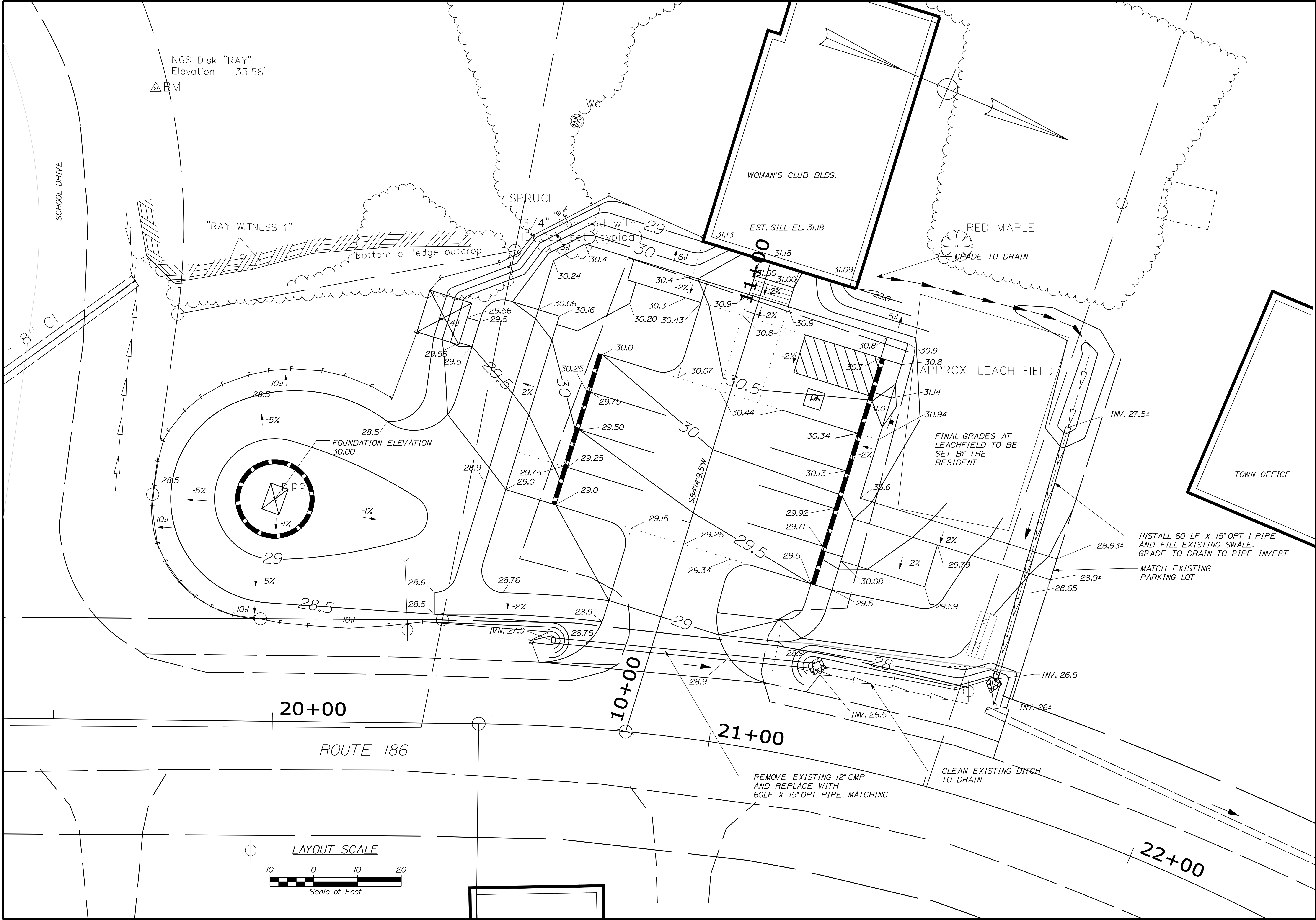


Date: \$date\$

Username: \$user\$

Division: \$wkgroup\$

Filename: \$file\$



PROJ. MANAGER	DATE	BY	DATE	SIGNATURE
A. MACDONALD	4-11		4-11	7960
CHECKED-REVIEWED	4-11		4-11	
DESIGNED-DETAILED				
REVISIONS 1				
REVISIONS 2				
REVISIONS 3				
REVISIONS 4				
FIELD CHANGES				

